

Morbidity and Mortality

Weekly
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the COMMUNICABLE DISEASE CENTER 634-5131

For release April 5, 1963

ATLANTA 22, GEORGIA

Vol. 12, No. 13

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED MARCH 30, 1963

INFLUENZA — One or more outbreaks of influenza-like disease have now been reported from 40 States and the District of Columbia. States reporting outbreaks for the first time this week are Colorado and North Dakota. Influenza A₂ virus has been isolated or confirmed by serologic titer rise as the causative agent of one or more outbreaks in 30 States and the District of Columbia. States reporting confirmed outbreaks for the first time this week are California, Colorado, and North Dakota. Two **localized** outbreaks, one of them confirmed as influenza A₂, have thus far been reported from northern California. No **community-wide** outbreaks of influenza-like illness have been recognized in any of the Pacific Coast States to

date. Outbreaks are now subsiding in most affected areas in the Eastern and Middle Western United States. The number of pneumonia-influenza deaths reported for 108 cities this week continued to fall sharply for the second consecutive week, although still remaining above the epidemic threshold.

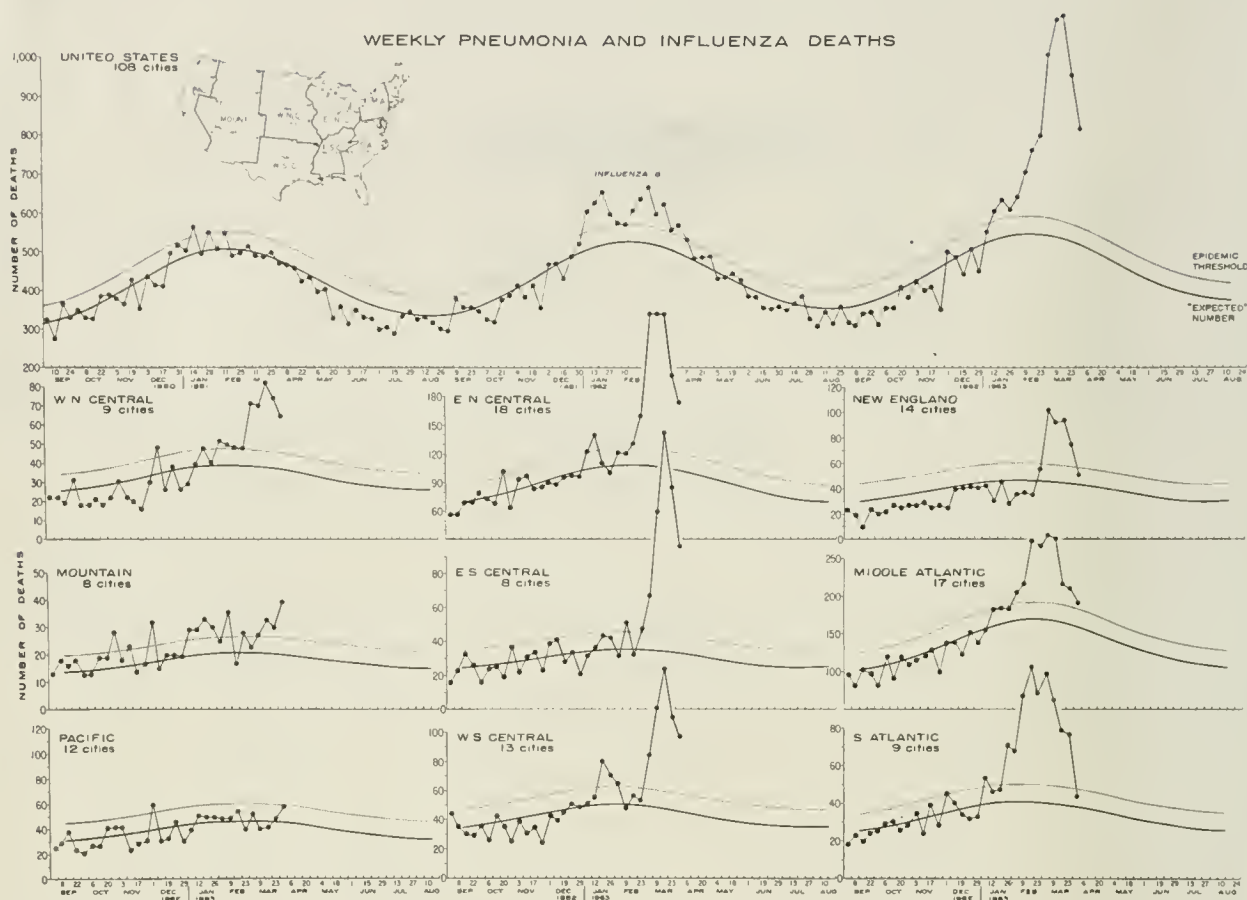
California — A limited outbreak of laboratory confirmed A₂ influenza has been reported from the town of Yountville in Napa County, about 50 miles north of San Francisco. Cases have been restricted to elderly patients at a home for war veterans with a total population of about 2,000. Earliest cases were observed in mid-March and the

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	13th Week			Cumulative		
	Ended	Ended	Median	First 13 weeks		
	March 30, 1963	March 31, 1962	1958 - 1962	1963	1962	Median 1958 - 1962
Aseptic meningitis.....	15	11	---	284	207	---
Brucellosis.....	1	8	11	77	78	157
Diphtheria.....	4	5	8	83	134	208
Encephalitis, infectious.....	30	36	36	293	348	342
Hepatitis, infectious and serum...	846	1,224	840	13,838	18,028	9,589
Measles.....	15,676	21,948	16,428	144,868	171,094	167,088
Meningococcal infections.....	62	52	54	760	680	739
Poliomyelitis, total.....	1	4	9	37	76	215
Paralytic.....	1	4	5	33	49	120
Nonparalytic.....	-	-	3	2	12	65
Unspecified.....	-	-	1	2	15	30
Streptococcal sore throat and Scarlet fever.....	9,695	9,295	---	129,851	114,940	---
Tetanus.....	1	5	---	41	35	---
Tularemia.....	2	7	---	51	65	---
Typhoid fever.....	5	5	8	80	103	125
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	-	---	-	3	---
Rabies in Animals.....	72	88	80	855	1,011	1,063

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Cum. 1	Psittacosis:	Cum. 18
Botulism:	5	Rabies in Man:	-
Malaria:	24	Smallpox:	-
Plague:	-	Typhus, murine:	2



epidemic is now believed to be well past its peak—a total of approximately 100 cases having occurred thus far. Paired sera obtained from three patients demonstrated significant titer rises to influenza A₂ antigen.

The recent outbreak involving a State hospital in San Joaquin County (MMWR, Vol. 12, No. 12) is also waning, with laboratory studies still in progress. No significant spread to the surrounding community has been observed in either of the two localized outbreaks reported in the State thus far.

A total of 13 serologically confirmed, sporadic cases have been reported from 10 counties in northern California to date. In addition, influenza A₂ virus has been recovered from a single sporadic case in Los Angeles. No community-wide epidemics of influenza-like illness have been observed in the State thus far this year.

(Reported by Dr. Philip K. Condit, Chief, Bureau of Communicable Diseases, California Department of Public Health).

Colorado—Delayed report of a localized outbreak of laboratory confirmed type A₂ influenza was received this week. An estimated several hundred cases occurred among troops at a large military base in El Paso County during the first two weeks of February. The outbreak did not

spread to involve civilian employees on the base or the residents of surrounding communities. Influenza A₂ virus has been recovered from throat washings obtained in five cases.

(Reported by Dr. C. S. Molloban, Chief, Epidemiology, Colorado State Department of Health).

Montano—The recent outbreak of influenza-like illness in Deer Lodge County (MMWR, Vol. 12, No. 12) continues to smolder, with 100 additional cases reported during the past week. Laboratory studies on this outbreak are still pending. Serologic confirmation of recent influenza A₂ infection has been obtained, however, in two sporadic cases recently seen in Big Horn County in the southern part of the State.

(Reported by Dr. Mary E. Soules, Director, Disease Control, Montana State Board of Health).

Nebraska—Serologic confirmation of recent influenza A₂ infection was reported for three sporadic cases last week. Two of these were seen at the Student Health Service of the University of Nebraska in Lancaster County. The third was a resident of neighboring Gage County in the southeastern part of the State. These are the first laboratory confirmed cases reported from Nebraska this

season. No outbreaks of influenza-like illness have been observed in the State this year.

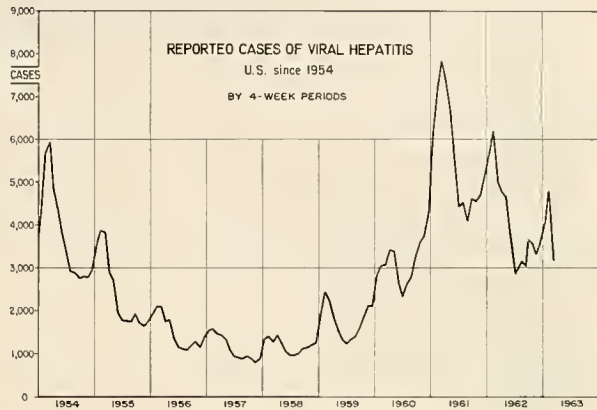
(Reported by Dr. E. A. Rogers, Director of Health, Nebraska State Department of Health).

North Dakota – Outbreaks of influenza-like illness have recently been reported from six counties representing widely separated geographic regions within the State. Case reports seemed to indicate a peak of epidemic activity during the week ending March 23 for all areas involved, with clear evidence that outbreaks have been subsiding since then. Serologic confirmation of recent infection with influenza A₂ virus has been obtained in two or more cases from Cass and Ward Counties.

(Reported by Kenneth Mosser, Director, Division of Preventable Diseases, North Dakota State Department of Health).

HEPATITIS – Reported cases of viral hepatitis continue to show a decline from the peak of 1,233 reported during

the week ending February 22, 1963. If the present trend continues, total cases for 1963 should be well below the highest years of 1961 and 1962.



Pneumonia-influenza mortality – During the week ending March 30, the number of pneumonia-influenza deaths reported by the 108 cities decreased to 816, an excess of 298 deaths, which is 69 percent of the previous week's excess 431 deaths.

In the Eastern divisions – New England, Middle Atlantic, and South Atlantic, – mortality has decreased almost to expected seasonal levels. Excess mortality was lowered in all the four Central divisions, but remained well above expected levels for this time of the year. Increases occurred in the Western divisions, with excess mortality continuing above the epidemic threshold in the Mountain States and in the Pacific States closely approaching, but not exceeding, the epidemic threshold.

Deaths from all causes – During the current week 12,763 deaths were reported, an excess of 873 above expected seasonal levels. During the past four weeks, as shown in the Table and bar chart the total number of excess deaths in the 108 cities was 6,939, an average weekly excess of 1,735 deaths.

Comparison with 1960 A₂ Epidemic – Cumulative excess mortality since the week ending January 5th is compared with the 1960 data in the following table:

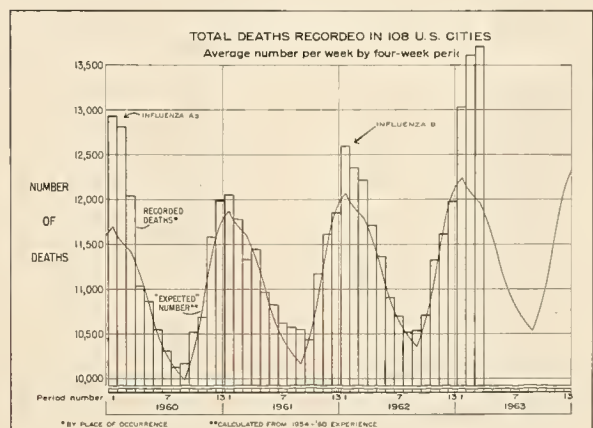
CUMULATIVE EXCESS MORTALITY SINCE THE FIRST WEEK OF THE YEAR

PNEUMONIA-INFLUENZA		ALL CAUSES OF DEATH			
		65 AND OVER		ALL AGES	
1963	1960	1963	1960	1963	1960
3,369	4,126	10,110	7,902	16,683	13,983

Although cumulative excess pneumonia-influenza mortality has been less to date in 1963 than in 1960, total excess mortality has been greater, especially in the age group 65 and over.

DEATHS FROM ALL CAUSES

	WEEK ENDING				4 Week Total	Weekly Average
	3/9	3/16	3/23	3/30		
Observed	14,625	13,989	13,422	12,763	54,799	13,700
Expected	12,031	11,993	11,946	11,890	47,860	11,965
Excess	2,594	1,996	1,476	873	6,939	1,735



(See table, page 111)

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 30, 1963 AND MARCH 31, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	13th week		Cumulative First 13 weeks		13th week		Cumulative First 13 weeks		13th week		13th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	1	4	37	76	1	4	33	49	-	-	15	11
NEW ENGLAND.....	-	-	-	-	-	-	-	-	-	-	1	-
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	-	-	6	28	-	-	6	15	-	-	3	2
New York.....	-	-	4	28	-	-	4	15	-	-	1	-
New Jersey.....	-	-	1	-	-	-	1	-	-	-	-	-
Pennsylvania.....	-	-	1	-	-	-	1	-	-	-	2	2
EAST NORTH CENTRAL.....	-	1	8	9	-	1	7	6	-	-	2	1
Ohio.....	-	-	2	4	-	-	1	4	-	-	-	-
Indiana.....	-	1	-	3	-	1	-	2	-	-	-	-
Illinois.....	-	-	4	2	-	-	4	-	-	-	1	1
Michigan.....	-	-	2	-	-	-	2	-	-	-	1	-
Wisconsin.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL.....	-	-	1	5	-	-	1	2	-	-	-	-
Minnesota.....	-	-	-	-	-	-	-	-	-	-	-	-
Iowa.....	-	-	-	3	-	-	-	2	-	-	-	-
Missouri.....	-	-	1	2	-	-	1	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	-	-	3	6	-	-	2	5	-	-	1	1
Delaware.....	-	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia..	-	-	-	1	-	-	-	-	-	-	-	-
Virginia.....	-	-	-	1	-	-	-	1	-	-	-	-
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	2	1	-	-	2	1	-	-	-	-
South Carolina.....	-	-	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	1	1	-	-	-	1	-	-	-	-
Florida.....	-	-	-	2	-	-	-	2	-	-	1	1
EAST SOUTH CENTRAL.....	-	-	2	2	-	-	1	1	-	-	2	1
Kentucky.....	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	1	-	-	-	-	-	-	1	1
Alabama.....	-	-	2	1	-	-	1	1	-	-	1	-
Mississippi.....	-	-	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL.....	-	3	10	15	-	3	10	12	-	-	-	-
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana.....	-	-	9	4	-	-	9	4	-	-	-	-
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	-	3	1	11	-	3	1	8	-	-	-	-
MOUNTAIN.....	-	-	-	5	-	-	-	4	-	-	-	1
Montana.....	-	-	-	2	-	-	-	1	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-	-	-	-	-	-	1
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	-	-	-	2	-	-	-	2	-	-	-	-
Utah.....	-	-	-	1	-	-	-	1	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	1	-	7	6	1	-	6	4	-	-	6	5
Washington.....	-	-	-	-	-	-	-	-	-	-	1	-
Oregon.....	-	-	1	-	-	-	1	-	-	-	-	1
California.....	1	-	6	6	1	-	5	4	-	-	5	4
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	1	2	3	-	1	2	3	-	-	-	-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 30, 1963 AND MARCH 31, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	13th week	Cumulative 13 weeks	13th week	Cumulative 13 weeks	13th week		13th week				13th week	
							Under 20 yr.	20 & over	Total			
1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962	
UNITED STATES.....	1	77	4	83	30	36	432	362	846	1,224	15,676	21,948
NEW ENGLAND.....	-	-	-	3	-	4	49	48	99	69	514	2,389
Maine.....	-	-	-	-	-	1	34	20	54	15	17	309
New Hampshire.....	-	-	-	-	-	-	4	1	6	1	-	47
Vermont.....	-	-	-	-	-	-	-	-	-	-	88	66
Massachusetts.....	-	-	-	2	-	1	7	15	23	44	132	1,243
Rhode Island.....	-	-	-	1	-	1	-	4	4	1	43	94
Connecticut.....	-	-	-	-	-	1	4	8	12	8	234	630
MIDDLE ATLANTIC.....	-	4	2	11	5	8	93	93	186	174	1,432	4,238
New York.....	-	3	2	6	2	4	52	50	102	78	421	2,658
New Jersey.....	-	-	-	1	-	-	14	27	41	50	535	1,173
Pennsylvania.....	-	1	-	4	3	4	27	16	43	46	476	407
EAST NORTH CENTRAL.....	-	5	1	7	3	2	69	51	125	254	6,735	2,208
Ohio.....	-	-	-	-	1	-	18	19	38	91	658	502
Indiana.....	-	-	1	3	-	-	12	4	18	32	290	355
Illinois.....	-	5	-	2	-	2	7	10	17	37	308	442
Michigan.....	-	-	-	1	2	-	27	18	45	88	1,574	730
Wisconsin.....	-	-	-	1	-	-	5	-	7	6	3,905	179
WEST NORTH CENTRAL.....	1	60	-	28	6	-	13	14	31	92	920	1,186
Minnesota.....	1	6	-	15	-	-	1	3	5	24	309	45
Iowa.....	-	44	-	1	-	-	-	4	4	21	384	934
Missouri.....	-	3	-	1	4	-	8	5	14	26	34	98
North Dakota.....	-	-	-	-	-	-	-	-	-	3	188	104
South Dakota.....	-	3	-	7	1	-	-	-	-	2	-	3
Nebraska.....	-	2	-	4	-	-	-	-	2	4	5	2
Kansas.....	-	2	-	-	1	-	4	2	6	12	NN	NN
SOUTH ATLANTIC.....	-	-	-	14	10	8	58	34	94	140	1,250	1,303
Delaware.....	-	-	-	-	1	-	1	1	2	1	124	10
Maryland.....	-	-	-	-	6	1	8	3	11	12	54	99
District of Columbia..	-	-	-	-	-	-	1	7	8	4	-	40
Virginia.....	-	-	-	1	-	-	6	9	15	34	420	400
West Virginia.....	-	-	-	1	1	-	11	5	16	12	377	500
North Carolina.....	-	-	-	1	2	4	17	2	19	44	33	13
South Carolina.....	-	-	-	3	-	-	4	1	5	7	69	25
Georgia.....	-	-	-	4	-	-	5	-	5	2	3	32
Florida.....	-	-	-	4	-	3	5	6	13	24	170	184
EAST SOUTH CENTRAL.....	-	1	-	8	-	1	51	32	90	160	859	1,762
Kentucky.....	-	-	-	-	-	-	11	12	30	77	372	324
Tennessee.....	-	-	-	1	-	-	27	7	34	53	339	1,188
Alabama.....	-	1	-	7	-	-	7	2	9	14	99	46
Mississippi.....	-	-	-	-	-	1	6	11	17	16	49	204
WEST SOUTH CENTRAL.....	-	5	-	10	1	3	33	26	59	111	1,253	4,425
Arkansas.....	-	2	-	1	1	1	3	1	4	7	341	4
Louisiana.....	-	-	-	-	-	-	4	8	12	37	17	2
Oklahoma.....	-	2	-	4	-	-	3	-	3	4	8	103
Texas.....	-	1	-	5	-	2	23	17	40	63	887	4,316
MOUNTAIN.....	-	1	1	1	-	-	17	8	54	55	1,230	1,006
Montana.....	-	-	-	-	-	-	4	4	11	3	145	228
Idaho.....	-	-	-	-	-	-	-	-	6	4	339	23
Wyoming.....	-	-	-	-	-	-	-	-	1	-	14	3
Colorado.....	-	-	-	-	-	-	5	-	15	18	289	419
New Mexico.....	-	-	1	1	-	-	6	1	7	1	NN	NN
Arizona.....	-	-	-	-	-	-	-	-	9	19	326	240
Utah.....	-	1	-	-	-	-	2	3	5	10	111	90
Nevada.....	-	-	-	-	-	-	-	-	-	-	6	3
PACIFIC.....	-	1	-	1	5	10	49	56	108	169	1,483	3,431
Washington.....	-	-	-	-	-	-	8	3	11	30	249	1,321
Oregon.....	-	-	-	-	-	-	6	10	16	23	215	709
California.....	-	1	-	1	5	10	35	43	78	110	932	1,377
Alaska.....	-	-	-	-	-	-	-	-	3	5	27	14
Hawaii.....	-	-	-	-	-	-	-	-	-	1	60	10
Puerto Rico.....	-	-	1	6	-	-	11	4	15	33	37	130

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

MARCH 30, 1963 AND MARCH 31, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	13th wk.	Cumulative 13 weeks	13th week		13th wk.	13th wk.	13th wk.	13th wk.	Cumulative 13 weeks	13th week		Cumulative 13 weeks
	1963	1963	1963	1962	1963	1963	1963	1963	1963	1963	1962	1963
UNITED STATES....	62	760	9,695	9,295	1	-	2	5	80	72	88	855
NEW ENGLAND.....	3	53	1,243	574	-	-	-	1	4	2	-	3
Maine.....	-	9	61	53	-	-	-	-	-	-	-	-
New Hampshire.....	-	2	8	2	-	-	-	-	-	2	-	3
Vermont.....	-	1	11	1	-	-	-	-	1	-	-	-
Massachusetts.....	3	23	183	117	-	-	-	-	2	-	-	-
Rhode Island.....	-	6	114	39	-	-	-	-	-	-	-	-
Connecticut.....	-	12	866	362	-	-	-	1	1	-	-	-
MIDDLE ATLANTIC....	8	101	618	607	-	-	-	2	9	-	1	26
New York.....	5	45	355	374	-	-	-	-	7	-	1	17
New Jersey.....	1	16	184	85	-	-	-	-	-	-	-	-
Pennsylvania.....	2	40	79	148	-	-	-	2	2	-	-	9
EAST NORTH CENTRAL..	11	127	1,258	908	1	-	-	1	5	10	8	104
Ohio.....	4	35	232	111	-	-	-	-	1	5	-	45
Indiana.....	1	17	159	144	-	-	-	-	1	2	8	14
Illinois.....	-	17	173	192	-	-	-	-	1	3	-	20
Michigan.....	4	40	413	242	1	-	-	1	1	-	-	18
Wisconsin.....	2	18	281	219	-	-	-	-	1	-	-	7
WEST NORTH CENTRAL..	4	44	216	339	-	-	1	-	3	19	15	197
Minnesota.....	1	9	27	37	-	-	-	-	1	2	2	57
Iowa.....	1	2	86	93	-	-	-	-	1	6	7	62
Missouri.....	-	19	4	16	-	-	1	-	1	8	3	42
North Dakota.....	-	1	96	119	-	-	-	-	-	2	2	4
South Dakota.....	1	3	-	-	-	-	-	-	-	1	1	28
Nebraska.....	1	9	-	1	-	-	-	-	-	-	-	1
Kansas.....	-	1	3	73	-	-	-	-	-	-	-	3
SOUTH ATLANTIC.....	12	158	814	615	-	-	1	-	15	9	16	153
Delaware.....	-	1	10	4	-	-	-	-	-	-	-	-
Maryland.....	2	25	36	23	-	-	-	-	2	-	-	-
Dist. of Columbia..	-	3	5	2	-	-	-	-	-	-	-	-
Virginia.....	1	37	268	243	-	-	-	-	1	4	8	59
West Virginia.....	-	9	195	161	-	-	-	-	5	3	7	56
North Carolina.....	-	24	45	38	-	-	-	-	3	-	-	4
South Carolina.....	1	11	129	35	-	-	-	-	-	-	-	5
Georgia.....	2	10	1	2	-	-	1	-	1	1	-	4
Florida.....	6	38	125	107	-	-	-	-	3	1	1	25
EAST SOUTH CENTRAL..	2	61	1,441	1,504	-	-	-	-	7	3	15	86
Kentucky.....	2	25	240	123	-	-	-	-	2	1	4	35
Tennessee.....	-	25	1,118	1,253	-	-	-	-	4	1	11	41
Alabama.....	-	7	24	4	-	-	-	-	1	1	-	10
Mississippi.....	-	4	59	124	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL..	13	84	794	980	-	-	-	1	19	18	21	176
Arkansas.....	-	5	2	6	-	-	-	-	7	1	2	12
Louisiana.....	12	36	1	3	-	-	-	1	5	1	3	21
Oklahoma.....	-	15	18	55	-	-	-	-	2	-	-	11
Texas.....	1	28	773	916	-	-	-	-	5	16	16	132
MOUNTAIN.....	2	25	1,816	1,829	-	-	-	-	2	2	2	16
Montana.....	-	-	65	102	-	-	-	-	-	-	-	-
Idaho.....	-	-	185	144	-	-	-	-	-	-	-	-
Wyoming.....	-	1	24	135	-	-	-	-	-	-	-	-
Colorado.....	1	6	709	835	-	-	-	-	1	-	-	-
New Mexico.....	-	2	422	270	-	-	-	-	1	2	-	7
Arizona.....	-	5	194	200	-	-	-	-	-	-	2	9
Utah.....	1	10	215	143	-	-	-	-	-	-	-	-
Nevada.....	-	1	2	-	-	-	-	-	-	-	-	-
PACIFIC.....	7	107	1,495	1,939	-	-	-	-	16	9	10	94
Washington.....	-	11	500	800	-	-	-	-	-	-	-	-
Oregon.....	1	5	23	54	-	-	-	-	2	-	-	1
California.....	6	85	899	1,041	-	-	-	-	13	9	10	93
Alaska.....	-	4	69	16	-	-	-	-	-	-	-	-
Hawaii.....	-	2	4	28	-	-	-	-	1	-	-	-
Puerto Rico.....	-	-	9	1	-	-	-	-	3	3	1	4

Morbidity and Mortality Weekly Report

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Table 4 (A). TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)^o

Area	For weeks ending				Area	For weeks ending			
	3/9	3/16	3/23	3/30		3/9	3/16	3/23	3/30
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.	394	324	304	288	Atlanta, Ga.	167	146	167	137
Bridgeport, Conn.	42	54	47	29	Baltimore, Md.	303	296	275	255
Cambridge, Mass.	32	36	42	34*	Charlotte, N.C.	66	29	42	48
Fall River, Mass.	52	45	33	36	Jacksonville, Fla.	62	57	69	41
Hartford, Conn.	61	64	55	66	Miami, Fla.	128	101	95	90
Lowell, Mass.	30	46	34	26	Norfolk, Va.	81	78	65	65
Lynn, Mass.	32	27	29	32	Richmond, Va.	111	97	83	78
New Bedford, Mass.	39	41	36	28	Savannah, Ga.	37	42	39	32
New Haven, Conn.	52	58	55	57	St. Petersburg, Fla.	128	109	110	91
Providence, R.I.	94	75	61	78	Tampa, Fla.	82	96	110	97
Somerville, Mass.	13	10	15	17	Washington, D.C.	220	205	192	207
Springfield, Mass.	39	64	44	56	Wilmington, Del.	52	38	37	37
Waterbury, Conn.	40	39	34	24					
Worcester, Mass.	82	73	69	49	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.	133	130	84	126
Albany, N.Y.	58	55	45	45	Chattanooga, Tenn.	75	48	68	86
Allentown, Pa.	53	49	56	29	Knoxville, Tenn.	45	58	51	44
Buffalo, N.Y.	180	191	175	151	Louisville, Ky.	198	221	212	206
Camden, N.J.	52	39	64	46	Memphis, Tenn.	177	187	184	155
Elizabeth, N.J.	28	40	32	32*	Mobile, Ala.	44	48	54	46
Erie, Pa.	43	41	49	48	Montgomery, Ala.	54	49	32	39
Jersey City, N.J.	104	80	81	73	Nashville, Tenn.	98	120	106	80
Newark, N.J.	83	119	106	94	WEST SOUTH CENTRAL:				
New York City, N.Y.	1,841	1,792	1,734	1,660	Austin, Tex.	54	44	54	39
Paterson, N.J.	37	42	39	33	Baton Rouge, La.	33	42	32	26
Philadelphia, Pa.	736	734	638	647	Corpus Christi, Tex.	18	27	21	42
Pittsburgh, Pa.	313	149	246	418	Dallas, Tex.	190	165	160	146
Reading, Pa.	30	30	35	27*	El Paso, Tex.	40	41	41	34
Rochester, N.Y.	133	127	124	106	Fort Worth, Tex.	102	79	71	69
Schenectady, N.Y.	22	36	29	41	Houston, Tex.	186	207	294	259
Scranton, Pa.	39	52	33	45	Little Rock, Ark.	59	86	98	66
Syracuse, N.Y.	78	71	77	74	New Orleans, La.	286	250	206	167
Trenton, N.J.	68	79	44	52	Oklahoma City, Okla.	101	115	90	80
Utica, N.Y.	27	38	35	23	San Antonio, Tex.	143	125	126	126
Yonkers, N.Y.	28	43	33	40	Shreveport, La.	65	74	58	59
EAST NORTH CENTRAL:					Tulsa, Okla.	94	51	92	61
Akron, Ohio.	80	75	74	61	MOUNTAIN:				
Canton, Ohio.	59	46	39	39	Albuquerque, N. Mex.	52	47	26	32
Chicago, Ill.	999	954	802	762*	Colorado Springs, Colo.	18	18	25	24
Cincinnati, Ohio.	250	178	154	167	Denver, Colo.	131	141	153	138
Cleveland, Ohio.	259	265	215	148	Ogden, Utah.	15	16	14	14
Columbus, Ohio.	172	176	123	126	Phoenix, Ariz.	106	94	121	120
Dayton, Ohio.	117	95	89	101	Pueblo, Colo.	17	13	13	9
Detroit, Mich.	518	432	411	314	Salt Lake City, Utah.	56	47	58	52
Evansville, Ind.	65	62	55	43	Tucson, Ariz.	40	70	70	84
Flint, Mich.	56	43	70	60	PACIFIC:				
Fort Wayne, Ind.	56	49	53	42	Berkeley, Calif.	19	20	14	22
Gary, Ind.	53	34	37	33*	Fresno, Calif.	61	41	44	37
Grand Rapids, Mich.	58	85	54	62	Glendale, Calif.	31	41	29	40
Indianapolis, Ind.	255	226	212	161	Honolulu, Hawaii.	51	31	41	36
Madison, Wis.	33	42	25	34	Long Beach, Calif.	58	61	74	69
Milwaukee, Wis.	191	174	158	122	Los Angeles, Calif.	540	558	574	573
Peoria, Ill.	43	44	92	34	Oakland, Calif.	91	117	150	95
Rockford, Ill.	26	43	38	27	Pasadena, Calif.	36	40	22	43
South Bend, Ind.	57	47	44	31	Portland, Oreg.	113	123	119	134
Toledo, Ohio.	128	146	130	111	Sacramento, Calif.	67	60	65	64
Youngstown, Ohio.	72	71	70	62	San Diego, Calif.	83	104	79	106
WEST NORTH CENTRAL:					San Francisco, Calif.	229	221	209	235
Des Moines, Iowa.	57	67	62	73	San Jose, Calif.	37	40	40	41
Duluth, Minn.	19	25	28	26	Seattle, Wash.	145	138	137	145
Kansas City, Kans.	41	34	78	32	Spokane, Wash.	43	49	47	55
Kansas City, Mo.	161	144	156	130	Tacoma, Wash.	34	46	39	40
Lincoln, Nebr.	25	31	23	35					
Minneapolis, Minn.	153	132	134	131	San Juan, P.R.	21	32	16	(---)
Omaha, Nebr.	79	79	96	75					
St. Louis, Mo.	411	328	302	279					
St. Paul, Minn.	79	96	89	107					
Wichita, Kans.	59	48	74	37					

^oCurrent Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages..... 12,763

4(B) Pneumonia-Influenza Deaths, all ages..... 816

4(C) Total Deaths under 1 Year of Age..... 710

4(D) Total Deaths, Persons 65 years and over..... 7,389

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.



EPIDEMIOLOGICAL REPORT

Typhoid Fever — Five additional cases of typhoid fever have occurred in the United States among persons returning from Zermatt, Switzerland. This brings the total to nine reported to date. Data concerning all nine are listed in the table below:

Case	Location	Age	Sex	Onset	Dates in Zermatt
1	New York, N. Y.	24	M	March 3	Feb. 15-23
2	Berkeley, Calif.	40	M	March 1	Feb. 19-26
3	East Portland, Conn.	18	F	March 7	Feb. 7-17
4	Allentown, Pa.	23	F	March 3	Feb. 16-23
5	Pittsburgh, Pa.	57	M	March 14	Feb. 9-23
6	Beverly Hills, Calif.	43	F	March 2	Feb. 2-22
7	Santa Monica, Calif.	36	F	March 3	Feb. 14-21
8	Westchester, N. Y.	27	F	March 2	Feb. 9-18
9	New York, N. Y.	32	M	March 12	March 8-19

All cases except number 8 have been confirmed by positive cultures. Five of the isolates of *Salmonella typhi* have been identified as phage type E-1.

Case number 9 did not arrive in Zermatt until March 8. This indicates infection from exposure much later than has been found from other cases and suggests that additional cases may still be seen.

(Reported by Dr. Rebecca Proctor, Epidemiology Section, Bureau of Communicable Diseases, California State Department of Health; Dr. Robert M. Albrecht, Director, Office of Epidemiology, New York State Department of Health; Dr. Tibor Fodor, Epidemiologist, Bureau of Preventable Diseases, New York City Health Department; and Dr. William D. Schrack, Jr., Director, Division of Communicable Disease Control, Pennsylvania State Department of Health.)

INTERNATIONAL NOTES — QUARANTINE MEASURES

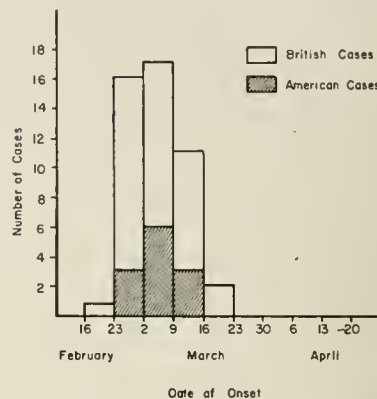
Typhoid Fever — Zermatt, Switzerland

Additional data concerning cases of typhoid fever exposed in Zermatt, Switzerland, have been provided by Dr. Reimert Ravenholt, Epidemiologic Consultant, European Area, Division of Foreign Quarantine, Paris. Two hundred and seventy cases with three deaths are now known to have occurred in European countries. Of these, 190 have been in Switzerland.

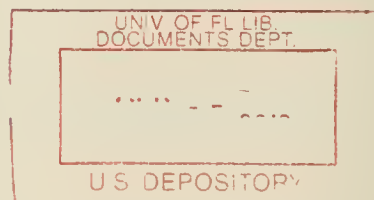
Dr. Daniel Thomson, Deputy Chief Medical Officer, Ministry of Health for Great Britain, has reported 46 bacteriologically confirmed cases of typhoid fever in England traced to Zermatt. The earliest known departure date from England among this group was February 22. The latest known arrival in Zermatt among these same cases was also February 22.

Precise dates of onset are known for 35 of the cases in England, as well as the nine cases in the United States. An epidemic curve based on these data is shown in graph (top right column).

REPORTED TYPHOID FEVER
TRACED TO ZERMATT, SWITZERLAND
1963



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